

10172870 TROUT CREEK NEAR CALLAO, UT

LOCATION.--Lat 39°44'39", long 113°53'21", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 12 S., R. 18 W., Juab County, Hydrologic Unit 16020306, on left bank 2.9 mi upstream from Birch Creek, and 14 mi southwest of Callao.

DRAINAGE AREA.--8.19 mi².

PERIOD OF RECORD.--October 1958 to September 1995, July 2002 to September 2003.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for winter record and estimated daily discharges, which are fair. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177 ft³/s, Jun 2, 1983, gage height, 2.84 ft, maximum gage height, 3.00 ft, May 15, 1973; minimum, 0.24 ft³/s, Feb 25, 1969.

EXTREMES FOR CURRENT PERIOD.--Jul to Sep 2002: Maximum discharge 3.1 ft³/s, Sep 8, gage height, 3.22 ft; minimum discharge, 0.97 ft³/s many days in Aug and Sep.

Water Year 2003: Maximum discharge, 75 ft³/s, May 29, gage height 4.44; minimum daily discharge, 0.80 ft³/s, Feb 7, 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.5	1.2
2	---	---	---	---	---	---	---	---	---	---	1.6	1.2
3	---	---	---	---	---	---	---	---	---	---	1.7	1.2
4	---	---	---	---	---	---	---	---	---	---	1.6	1.2
5	---	---	---	---	---	---	---	---	---	---	1.5	1.2
6	---	---	---	---	---	---	---	---	---	---	1.6	1.7
7	---	---	---	---	---	---	---	---	---	---	1.6	1.9
8	---	---	---	---	---	---	---	---	---	---	1.6	2.2
9	---	---	---	---	---	---	---	---	---	---	1.5	1.9
10	---	---	---	---	---	---	---	---	---	---	1.5	1.7
11	---	---	---	---	---	---	---	---	---	---	1.4	1.7
12	---	---	---	---	---	---	---	---	---	---	1.3	1.7
13	---	---	---	---	---	---	---	---	---	---	1.3	1.6
14	---	---	---	---	---	---	---	---	---	---	1.3	1.5
15	---	---	---	---	---	---	---	---	---	---	1.2	1.4
16	---	---	---	---	---	---	---	---	---	---	1.2	1.6
17	---	---	---	---	---	---	---	---	---	---	1.2	1.6
18	---	---	---	---	---	---	---	---	---	---	1.2	2.0
19	---	---	---	---	---	---	---	---	---	---	1.2	1.8
20	---	---	---	---	---	---	---	---	---	---	1.3	1.7
21	---	---	---	---	---	---	---	---	---	---	e1.3	1.6
22	---	---	---	---	---	---	---	---	---	---	e1.3	1.6
23	---	---	---	---	---	---	---	---	---	---	e1.2	1.6
24	---	---	---	---	---	---	---	---	---	---	e1.2	1.6
25	---	---	---	---	---	---	---	---	---	---	1.2	1.6
26	---	---	---	---	---	---	---	---	---	---	1.2	1.7
27	---	---	---	---	---	---	---	---	---	---	1.3	1.7
28	---	---	---	---	---	---	---	---	---	---	1.3	1.8
29	---	---	---	---	---	---	---	---	---	---	1.2	1.8
30	---	---	---	---	---	---	---	---	---	1.6	1.2	1.8
31	---	---	---	---	---	---	---	---	---	1.5	1.2	---
TOTAL	---	---	---	---	---	---	---	---	---	---	41.9	48.8
MEAN	---	---	---	---	---	---	---	---	---	---	1.35	1.63
MAX	---	---	---	---	---	---	---	---	---	---	1.7	2.2
MIN	---	---	---	---	---	---	---	---	---	---	1.2	1.2
AC-FT	---	---	---	---	---	---	---	---	---	---	83	97

e Estimated

GREAT SALT LAKE DESERT

10172870 TROUT CREEK NEAR CALLAO, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	e1.7	e1.4	1.2	1.1	1.2	1.8	3.9	33	3.4	1.6	1.2
2	1.6	e1.8	1.4	1.1	1.2	e1.1	1.9	3.7	27	3.3	1.6	1.2
3	1.5	1.8	1.4	1.3	e1.1	e1.1	1.8	3.6	23	3.1	1.8	1.1
4	1.5	1.8	1.4	1.3	e1.0	1.1	1.7	3.7	21	3.0	1.7	1.1
5	1.5	1.5	1.4	1.3	e0.90	e1.1	1.7	3.6	17	2.9	1.6	1.2
6	1.5	1.4	1.4	1.2	e0.90	1.1	1.7	3.5	14	2.8	1.5	1.2
7	1.5	1.5	e1.4	1.2	e0.80	1.1	1.7	3.9	13	2.7	1.4	1.1
8	1.5	1.9	e1.3	1.5	e0.80	1.1	1.7	4.0	12	2.6	1.4	1.1
9	1.4	2.0	e1.4	1.2	e0.82	1.1	2.0	3.8	11	2.6	1.4	1.2
10	1.4	1.7	e1.6	1.3	e0.92	1.1	2.3	3.7	10	2.5	1.4	1.4
11	1.3	1.6	e1.8	1.2	e1.0	1.2	2.7	3.7	9.4	2.4	1.3	1.2
12	1.3	1.6	1.3	1.2	1.1	1.2	3.0	4.1	8.8	2.3	1.3	1.1
13	1.3	1.6	1.3	1.2	1.3	1.2	3.3	5.0	e8.2	2.3	1.3	1.2
14	1.3	1.6	1.4	1.2	1.1	1.3	3.3	6.8	7.6	2.2	1.3	1.2
15	1.3	1.5	1.3	1.2	1.1	1.3	3.6	8.2	7.1	2.1	1.3	1.1
16	1.4	1.5	1.3	1.2	1.1	1.4	3.2	7.6	6.6	2.1	1.5	1.1
17	1.4	1.5	1.3	1.2	1.1	1.2	3.1	11	6.3	2.1	1.4	1.2
18	1.4	1.5	e1.3	1.3	1.1	1.2	3.0	11	6.0	2.0	1.3	1.2
19	1.4	1.5	e1.3	1.5	1.2	1.1	2.8	11	5.7	2.1	1.2	1.2
20	1.4	1.5	e1.3	1.2	1.0	1.1	2.7	11	5.5	2.1	1.2	1.1
21	1.6	1.5	e1.3	1.2	e1.1	1.1	2.8	13	5.4	2.0	1.1	1.1
22	1.6	1.5	e1.2	1.1	1.1	1.1	2.9	16	5.2	1.9	1.4	1.1
23	1.6	1.5	e1.2	1.1	1.3	1.2	3.4	20	5.2	1.8	1.3	1.1
24	1.6	1.5	e1.1	1.1	e1.0	1.2	3.8	26	5.1	1.8	1.2	1.1
25	1.6	1.5	e1.0	1.1	e1.1	1.2	4.1	32	4.8	2.0	1.2	1.2
26	1.6	e1.5	e1.0	1.1	e1.1	1.3	4.7	41	4.4	1.9	1.1	1.2
27	1.6	e1.4	e1.1	1.1	e1.0	1.3	4.6	49	4.2	1.8	1.1	1.2
28	1.5	e1.4	e1.2	1.2	e1.2	1.5	4.4	54	4.0	1.7	1.1	1.2
29	1.5	e1.4	1.2	1.1	---	1.9	4.5	53	3.8	1.7	1.3	1.2
30	1.5	e1.4	1.2	1.1	---	1.4	4.2	45	3.6	1.6	1.3	1.2
31	1.7	---	1.2	1.1	---	1.6	---	43	---	1.6	1.1	---
TOTAL	46.0	47.1	40.4	37.3	29.54	38.1	88.4	508.8	297.9	70.4	41.7	35.0
MEAN	1.48	1.57	1.30	1.20	1.05	1.23	2.95	16.4	9.93	2.27	1.35	1.17
MAX	1.7	2.0	1.8	1.5	1.3	1.9	4.7	54	33	3.4	1.8	1.4
MIN	1.3	1.4	1.0	1.1	0.80	1.1	1.7	3.5	3.6	1.6	1.1	1.1
AC-FT	91	93	80	74	59	76	175	1,010	591	140	83	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959-95, 2002-03, BY WATER YEAR (WY)

MEAN	2.15	2.04	1.74	1.63	1.67	2.14	4.99	17.7	21.8	5.94	2.60	1.99
MAX	8.59	4.96	3.29	3.31	3.35	5.04	11.1	59.2	95.4	20.1	6.55	5.37
(WY)	(1983)	(1983)	(1983)	(1983)	(1983)	(1983)	(1962)	(1984)	(1983)	(1995)	(1965)	(1965)
MIN	1.16	1.26	1.04	0.96	1.02	1.09	1.34	3.44	3.66	1.49	0.98	0.91
(WY)	(1993)	(1991)	(1991)	(1960)	(1960)	(1991)	(1991)	(1989)	(1959)	(1959)	(1959)	(1994)

SUMMARY STATISTICS

003 WATER YEAR

WATER YEARS 1959-95,
2002- 03

ANNUAL TOTAL	80.64		
ANNUAL MEAN	3.51		
HIGHEST ANNUAL MEAN		5.64	
LOWEST ANNUAL MEAN		16.3	1983
HIGHEST DAILY MEAN		2.07	1989
LOWEST DAILY MEAN	54 May 28	156	Jun 1, 1983
ANNUAL SEVEN-DAY MINIMUM	0.80 Feb 7	0.52	Feb 9, 1993
ANNUAL RUNOFF (AC-FT)	0.88 Feb 4	0.80	Sep 22, 1994
10 PERCENT EXCEEDS	40	4,090	
50 PERCENT EXCEEDS	5.8	13	
90 PERCENT EXCEEDS	1.4	2.1	
	1.1	1.3	

e Estimated